

# Straight Shank DEEP HOLE ZMACX ADVANCED BORING BAR **NIKKEN**

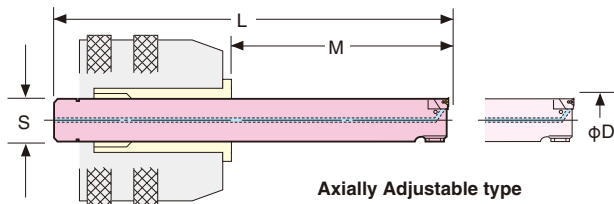
Axially Adjustable and **Solid Carbide**



For Deep Hole Boring



For Deep Hole Boring with Extended Gauge Length



Axially Adjustable type

**JAPAN PAT. P.119**

## S-ZMACX-V

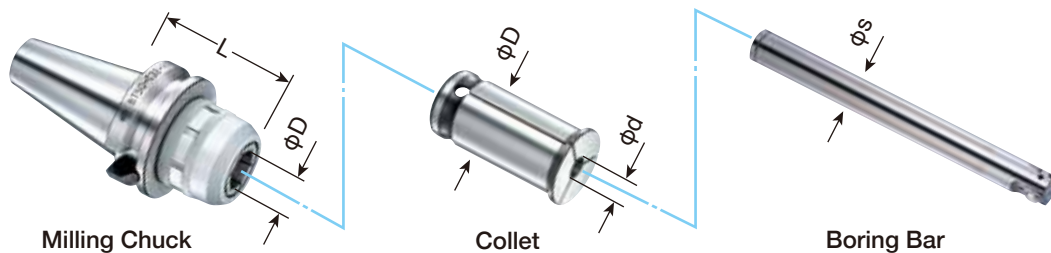
Code. No.	Boring Range D	Boring Depth M	L	S	Unit No.	Insert No.	Weight (kg)	Suitable Holder	
								Chuck	KM Collet
<b>S12-BCBX12.7- 95</b>	12.7~14.5	50~ 95	130	12	M1-12.7	<b>1MP-T</b>	0.2	<b>BT40-C32</b> <b>BT50-C32</b>	<b>KM32-12</b>
<b>S13-BCBX14.5-105</b>	14.5~19.5	50~105	135	13	M1-14.5				<b>-13</b>
<b>S15-ZMACX16-120V</b>	15.9~20.2	65~120	150	15	M2HZ-16V	<b>3MP-C, B</b>	<b>-15</b>		
<b>S19-ZMACX20-150V</b>	19.8~25.2	100~150	180	19	M2HZ-20V		<b>-19</b>		
<b>S24-ZMACX25-190V</b>	24.8~32.2	140~190	220	24	M3HZ-25V		<b>-24</b>		
<b>S30-ZMACX32-260V</b>	31.8~42.2	190~260	290	30	M4HZ-32V	<b>4MP-C, B</b>	<b>-30</b>		
<b>S32-ZMACX42-275V</b>	41.8~55.2	205~275	305	32	M5HZ-42V		<b>-</b>		

★T grade (Cermet) insert tip or "C" grade (Coated) insert tip is supplied as standard for BCBX or S-ZMACX-V respectively. P.119 Please refer P.117 for cutting condition.  
★Centre Through Tool Coolant function of ZMACX-V is available as standard.

## Deep Hole Boring Operation with combination of Milling Chuck, Collet and S-ZMACX-V Boring Bar.

Ultra Deep Hole Boring MAX.L/D=8 times with Carbide Solid Boring Bar

Axially Adjustable with Milling Chuck



TAPER	Milling Chuck Code No.	Collet
<b>No.40</b>	<b>BT40 -C20- 70, 90, 105, 120</b>	<b>KM20</b>
	<b>-C25- 70, 90, 120</b>	<b>KM25</b>
	<b>-C32- 85, 105, 120</b>	<b>KM32</b>
<b>No.50</b>	<b>BT50 -C20-105, 135, 165, 180</b>	<b>KM20</b>
	<b>-C25-105, 135, 165</b>	<b>KM25</b>
	<b>-C32- 90, 105, 120, 135, 165</b>	<b>KM32</b>
	<b>-C42- 95, 105, 120, 135, 165</b>	<b>KM42</b>

KM Collet No.	Deep Hole Boring Bar Code No.
<b>KM20-12</b>	<b>S12-BCBX12.7- 95</b>
<b>-13</b>	<b>S13-BCBX14.5-105</b>
<b>KM25-12</b>	<b>S12-BCBX12.7- 95</b>
<b>-13</b>	<b>S13-BCBX14.5-105</b>
<b>-15</b>	<b>S15-ZMACX16-120V</b>
<b>(KM42) KM32-12</b>	<b>S12-BCBX12.7- 95</b>
<b>-13</b>	<b>S13-BCBX14.5-105</b>
<b>-15</b>	<b>S15-ZMACX16-120V</b>
<b>-19</b>	<b>S19-ZMACX20-150V</b>
<b>-24</b>	<b>S24-ZMACX25-190V</b>
<b>-30</b>	<b>S30-ZMACX32-260V</b>
<b>KM42-32</b>	<b>S32-ZMACX42-275V</b>

★KM42-12, 13, 15, 19, 24, 30, 32 are also available.